

Message

---

**From:** Carol Allen [CAllen@baaqmd.gov]  
**Sent:** 6/10/2019 5:47:54 PM  
**To:** Connolly, Scott [Connolly.Scott@epa.gov]  
**CC:** Davis Zhu [dzhu@baaqmd.gov]  
**Subject:** FW: Auto Shredders

Scott,

Hi Scott. As you know, we are expecting Schnitzer Steel to submit a permit application for two regenerative thermal oxidizers (RTO), operating in parallel, one RTO downstream of each venturi scrubber, to control organic emission from their automobile and light iron shredding operation. You mentioned that you have seen a number of auto shredders throughout the US.

Can you provide us with some permit examples for regenerative thermal oxidizers at auto shredders?  
Do you know of any applicable BACT or MACT standards for auto shredders with RTOs.  
Do you know of any RTOs in use that are operating downstream of a venturi scrubber?  
Are there problems or issues with RTOs that have cropped up during initial start-up; what can be done to avoid these?  
Do you have any source test data and/or stack parameters for RTOs that we could use to estimate future potential health impacts.

Davis Zhu from my staff will be handling the Schnitzer application when it comes in.

Thank you in advance for your assistance with this matter.

Carol Allen  
Assistant Manager  
Engineering Division, BAAQMD  
(415) 749-4702  
[CAllen@baaqmd.gov](mailto:CAllen@baaqmd.gov)

Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105

Carol Allen

---

**From:** Salazar, Matt <Salazar.Matt@epa.gov>  
**Sent:** Friday, June 7, 2019 9:06 AM  
**To:** Carol Allen <CAllen@baaqmd.gov>  
**Cc:** Connolly, Scott <Connolly.Scott@epa.gov>  
**Subject:** RE: Auto Shredders

Hi Carol,

Thank you for checking and for the time on the call tomorrow. I cc'd Scott and he can be reached at 415.947.4141. Please let me know if you have any questions.

Thank you,

Matt

---

**From:** Carol Allen <[CAllen@baaqmd.gov](mailto:CAllen@baaqmd.gov)>  
**Sent:** Thursday, June 06, 2019 5:53 PM  
**To:** Salazar, Matt <[Salazar.Matt@epa.gov](mailto:Salazar.Matt@epa.gov)>  
**Subject:** Auto Shredders

Hi Matt,

I was on the conference call today regarding Schnitzer Steel. Can you forward my contact information to Scott? I could not find his email on line. I would like to discuss his knowledge of and experiences with installation and operation of regenerative thermal oxidizers at auto shredders.

Carol Allen  
Assistant Manager  
Engineering Division, BAAQMD  
(415) 749-4702  
[CAllen@baaqmd.gov](mailto:CAllen@baaqmd.gov)

Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105